

ABSTRACT OF THE DISCLOSURE

An information processor, a state judging unit,
a diagnostic unit, an information processing method,
5 a state judging method and a diagnosing method aim
at precisely recognizing each operation carried out
by an object that functions in a number of operation
modes. For this purpose, a number of combinations
of n parameter values, concerning each of the
10 operation modes, that vary with operation are
detected by sensors (1a-1d) during the operation
of the object, and a Self-Organizing Map creating
means (2) creates Self-Organizing Maps, which
corresponds one to each of the operation modes and
15 which serve as individual separation models,
regarding detection data based on the detected
combination of parameter values as learning data.